

Title (en)  
HIGH-POWER PLASMATRON'S NOZZLE

Publication  
**EP 0030679 B1 19840208 (DE)**

Application  
**EP 80107582 A 19801204**

Priority  
DD 21777379 A 19791218

Abstract (en)  
[origin: EP0030679A1] 1. A heavy-current plasmatron nozzle consisting of a single interchangeable insert (1) in the general form of a wearing element disposed centrally with respect to the cathode (4), a cooling jacket being provided for the nozzle, characterized in that the insert (1) is secured directly into the nozzle body by means of a solder (2) and the nozzle cooling is so adapted that the solder does not melt while the burner is in operation.

IPC 1-7  
**B23K 9/00**; **H05B 7/18**; **H05H 1/00**; **F23D 13/30**

IPC 8 full level  
**H05H 1/32** (2006.01); **B23K 9/00** (2006.01); **B23K 10/00** (2006.01); **H05B 7/00** (2006.01); **H05B 7/18** (2006.01); **H05H 1/00** (2006.01); **H05H 1/34** (2006.01)

CPC (source: EP US)  
**H05B 7/00** (2013.01 - EP); **H05H 1/34** (2013.01 - EP US); **H05H 1/3457** (2021.05 - EP)

Cited by  
CN105075401A; EP0202352A1; DE3241476A1; WO2014133382A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0030679 A1 19810624**; **EP 0030679 B1 19840208**; AT E6134 T1 19840215; DD 151249 A1 19811008; DE 3066523 D1 19840315; ES 267927 U 19831101; ES 267927 Y 19840501; JP S56143700 A 19811109; YU 311280 A 19830930

DOCDB simple family (application)  
**EP 80107582 A 19801204**; AT 80107582 T 19801204; DD 21777379 A 19791218; DE 3066523 T 19801204; ES 267927 U 19801217; JP 17476980 A 19801212; YU 311280 A 19801210